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NiceZyme View of ENZYME: EC 3.3.1.1

Official Name		
Adenosylhomocys	teinase.	
Alternative Name(s		· · · · · · · · · · · · · · · · · · ·
Adenosylhomocys	teine hydrolase.	
AdoHcyase.		
S-adenosylhomocy	ysteinase.	
S-adenosylhomocy	ysteine hydrolase.	. •
S-adenosylhomocy	ysteine synthase.	
SAHase.	4.3	
Reaction catalysec		
S-adenosyl-L-homo	cysteine + <u>H(2)O</u> <=> L-homocy	steine + <u>adenosine</u>
Cofactor(s)		
NAD.		
Comment(s)		
	or appears to bring about a trans sidue, thus labilizing the thioethe	
Human Genetic Dis		1 DONG G. LO <u>G.G. 11</u> .
Hypermethioninemia		
Cross-references	<u> </u>	
Biochemical		-
Pathways; map number(s)	<u>H3</u>	
PROSITE	PDOC00603	
BRENDA	<u>3.3.1.1</u>	
PUMA2	<u>3.3.1.1</u>	
PRIAM enzyme- specific profiles	3.3.1.1	
Kyoto University LIGAND chemical database	<u>3.3.1.1</u>	
IUBMB Enzyme	<u>3.3.1.1</u>	

Nomenclature		•	•			•		
IntEnz	<u>3.3.1.1</u>							
MEDLINE	Find literature relating to 3.3.1.1							
UniProtKB/Swiss-Prot	Find lite 023255, Q9LK36, P84532, Q6FA43, Q8YX05, O28279, Q6G584, Q7WQX5, Q89HP6, Q62G22, P83783, Q8KEG8, Q8FRJ4, Q72EH1, P61617, P23526, Q8EXV1, P50246, Q60CG8, Q8PUQ4, P50247, Q73UK6, Q82WL1, P50249, Q12663, Q7UZN3, Q9UYK5, O58275, Q98CM3, P28183, Q9ZNA5, Q8ZDC9, P26799, Q8DGC8, Q9HKX4, P68173,	SAHH1 ARATH; SAHH2 ARATH; SAHH2 POPEU; SAHH ACIAD; SAHH ARCFU; SAHH BARHE; SAHH BORBR; SAHH BRAJA; SAHH BURMA; SAHH CANAL; SAHH COREF; SAHH COREF; SAHH BESVH; SAHH HUMAN; SAHH LEPIN; SAHH HEPIN; SAHH MEDSA; SAHH METCA; SAHH MOUSE; SAHH PHASS; SAHH PHASS; SAHH PHASS; SAHH PHASS; SAHH PROMP; SAHH PYRAB; SAHH PYRAB; SAHH ROSDE; SAHH STRAW; SAHH STRFR; SAHH STRFR; SAHH STRFR; SAHH STRFR; SAHH TOBAC;	93.3.1.1 P84533, P50245, 093477, Q9YEF2, 076757, Q64MT2, Q6G1D6, Q7W1Z7, Q8YE49, Q63PT2, P35007, Q7NZF7, Q8NSC4, P10819, Q7NG16, P36889, Q9SP37, P93253, Q58783, Q6LYR8, Q7TWW7, P60176, Q5YQS7, Q710C4, Q7V9P3, Q91685, Q8ZTQ7, Q8Y387, Q92TC1, Q6N2N5, O13639, Q8GGL7, P50252, Q7U9Y3, O51933, P51540,	SAHH1_POPEU; SAHH2_DROME; SAHH2_XENLA; SAHH_AERPE; SAHH_ANOGA; SAHH_BACFR; SAHH_BACFR; SAHH_BARQU; SAHH_BORPA; SAHH_BURPS; SAHH_CATRO; SAHH_CATRO; SAHH_CORGL; SAHH_CICOUI; SAHH_GLOVI; SAHH_LEIDO; SAHH_LUPLU; SAHH_LEIDO; SAHH_LUPLU; SAHH_MESCR; SAHH_METJA; SAHH_METJA; SAHH_METJA; SAHH_METJA; SAHH_METJA; SAHH_METMP; SAHH_MYCBO; SAHH_MYCBO; SAHH_PIG; SAHH_PYRAE; SAHH_PYRAE; SAHH_RALSO; SAHH_SCHPO; SAHH_STRAZ; SAHH_SULSO; SAHH_SYNPX; SAHH_THEMA; SAHH_THEMA; SAHH_TRIVA;	P51893, 043865, 096HN2, 080J99, 067240, 08A407, Q6MNC0, Q7VUL8, Q8FXZ7, P27604, Q9ABH0, P61456, Q83A77, Q27580, Q9HN50, Q75FU8, Q9SWF5, Q8TRA5, P58855, 027673, Q9CCJ4, P68172, Q01781, P50250, Q7V926, Q87V73, P50251, P10760, Q7TTZ5, 050562, Q9KZM1, Q975T0, P74008, Q979Z4, P32112,	SAHH1_XEN: SAHH2_HUM SAHH3_HUM SAHH_AGRT! SAHH_BQUAI SAHH_BACTI SAHH_BDEB; SAHH_BORPI SAHH_BORPI SAHH_CAUCI SAHH_CAUCI SAHH_COXBI SAHH_COXBI SAHH_COXBI SAHH_LEPIC SAHH_LEPIC SAHH_LEPIC SAHH_LEPIC SAHH_METT; SAHH_METT; SAHH_METT; SAHH_PLAF' SAHH_PLAF' SAHH_PLAF' SAHH_PROMI SAHH_PROMI SAHH_PROMI SAHH_PROMI SAHH_PROMI SAHH_PROMI SAHH_RAT; SAHH_RAT; SAHH_RAT; SAHH_RAT; SAHH_RAT; SAHH_ROB; SAHH_STRA;		
	<u>Q8PP84</u> , <u>Q87EI8</u> ,	SAHH_XANAC; SAHH_XYLFT;	Q8PCH5, P39954,	SAHH_XANCP; SAHH_YEAST;	Q9PEJ1,	SAHH_XYLF		

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All UniProtKB/Swiss-Prot entries referenced in this entry, with possibility to download in different formats, align etc.

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